

**Improved Grain drill With Accurate
Metering of the Rate of Planting of Seed**

Abstract

The present invention is an improved grain drill
5 and a method retrofitting a previously manufactured
grain drill to provide accurate weight determination of
seed in a seed hopper of the grain drill. A grain
drill in accordance with the invention includes a frame
having a plurality of wheels for supporting the grain
10 drill during rolling over a surface of ground to be
planted with seed grain; a hopper for containing the
seed grain to be planted in the ground; a support which
is joined to opposed sides of the frame and to spaced
apart locations of the hopper to transfer weight of the
15 hopper to the frame, the support including at least one
weight sensing device which senses a weight of seed
grain in the hopper transferred through the support to
the frame and provides an output of the sensed weight
of the seed grain in the hopper; and a display, coupled
20 to the output, for displaying the weight of the seed
grain contained in the hopper.